

L Number	Hits	Search Text	DB	Time stamp
5	7032	((maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:17
6	387869	Sand (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:18
7	727	((maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:18
8	608	((maleic adj anhydride) same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT	2003/03/19 12:50
9	2	("20020076641").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:09
10	0	(hydroxy adj alkylacrylate) same (hydroxystyrene (hydroxy adj styrene))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:12
11	17	(hydroxyethylacrylate) same (hydroxystyrene (hydroxy adj styrene))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:51
12	6	((("5863996") or ("6368768") or ("6316165"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 13:53
13	2	("6147249").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
14	0	wo-0001752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
15	0	wo-00001752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:00
16	0	wo-1752-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:01
17	2	jp-05024951-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:09
18	42	(phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:24
19	17	((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate)) and (photoresist resist) and (\$acid near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:41
20	0	pyrenyl near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:50
21	1530	pyrenyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:44

22	0	pyrene near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:52
23	186	pyrene same (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
24	0	prenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
25	0	1-prenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:57
26	1	1-pyrenylmethyl adj methacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:59
27	3	1-pyrenylmethyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 15:00
28	4	1-pyrenyl\$6thyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:11
29	32	(\$5acid near generat\$3) same (electron adj (donor acceptor))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:18
30	1844	((maleic adj anhydride) (hydroxystyrene)) same (elastomer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:21
31	196	((para-toluenesulfonic adj acid) (toluene adj sulfonic adj acid) (toluenesulfonic adj acid)) same (\$5acid near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 16:59
32	0	(ditert-butyl adj phenyl adj iodonium adj camphorsulfonate) same (\$5acid near generator)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:28
33	6	powderlink same (base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:33
34	0	glycouril same (organic adj base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:35
35	5	glycouril same (base)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 17:53
36	2	((("5876900") or ("6045970"))).PN.	USPAT	2003/03/19 17:59
37	1	("5405720").PN.	USPAT	2003/03/19 18:02
38	1398	(organic adj base) and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 18:02
39	1150	(organic adj base) and (photoresist resist)	USPAT	2003/03/19 18:03
40	628	((organic adj base) and (photoresist resist)) and (triethylamine triethanolamine triisobutylamine triisodecylamine)	USPAT	2003/03/19 18:17
41	77	((organic adj base) and (photoresist resist)) and (triethylamine triethanolamine triisobutylamine triisodecylamine) and (antireflective ARC anti-reflective)	USPAT	2003/03/19 18:19

-	24	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/18 16:47
-	11	((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/18 16:52
-	35	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897"))).PN.) or ((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982"))).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
-	1	\$phenanthryl\$ near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:47
-	42	(phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 14:22
-	0	(\$phenanthryl\$ near (methacrylate acrylate)) and ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
-	43	(\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:48
-	35	((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897"))).PN.) or ((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982"))).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 09:49
-	43	(((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthalyl) near (methacrylate acrylate))) not (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897"))).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982"))).PN.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:21
-	16	(naphthalene\$6thyl anthracene\$6thyl) adj (\$4acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:25
-	570	CHOI-SANG-J CHOI-SANG-JIN CHOI-SANG-JOON CHOI-SANG-JUN KANG-Y KANG-YOOL KANG-YOON KANG-YOON-M KANG-YOON-SEOK KANG-YOON-SOP KANG-YOON-W KANG-YOON-WON KANG-YOUL	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:24

-	15	((naphthalene\$6thyl anthracene\$6thyl) adj (\$4acrylate)) not (((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthyl) near (methacrylate acrylate)) ((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthyl) near (methacrylate acrylate))) (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.)) ((((\$phenanthryl\$ near (methacrylate acrylate)) or ((phenanthryl phenanthracenyl anthryl anthracenyl anthracene naphthalene naphthyl naphthyl) near (methacrylate acrylate)))) not (((("6319650") or ("6316159") or ("6309790") or ("6280898") or ("6265133") or ("6225019") or ("61711754") or ("6156481") or ("6287746") or ("6077644") or ("6074801") or ("6312867") or ("6280897")).PN.) or (((("6147249") or ("5206104") or ("5178982") or ("5116710") or ("5110701") or ("5206104") or ("5178982")).PN.))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 10:53
-	347	hydroxystyrene same (benefet increase improve conventional enhanced enhance)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:17
-	236	(hydroxystyrene same (benefet increase improve conventional enhanced enhance)) and (photoresist resist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/19 12:18

CAS Search
Do Not Remove

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\09888912-3.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

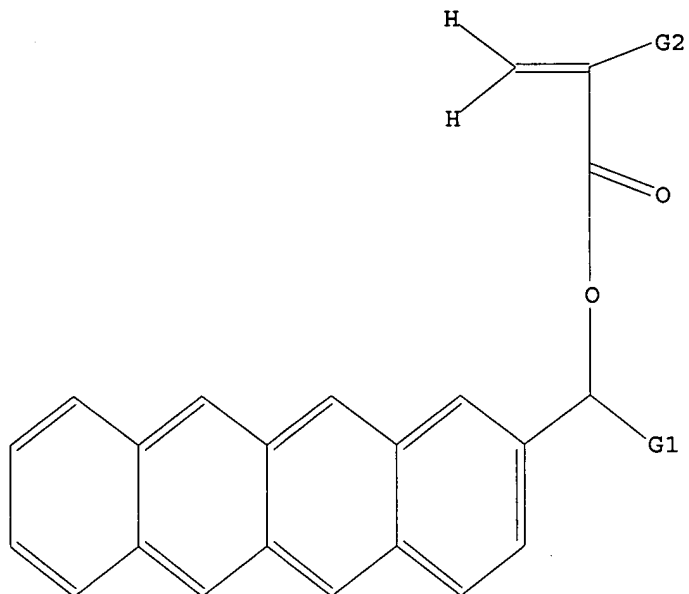
L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 970 AND 2067

L2 STR



y=3

1
Ak

G1 H, [01]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L4 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\09888912-2.str

L5 STRUCTURE UPLOADED

=> que L5 AND L4

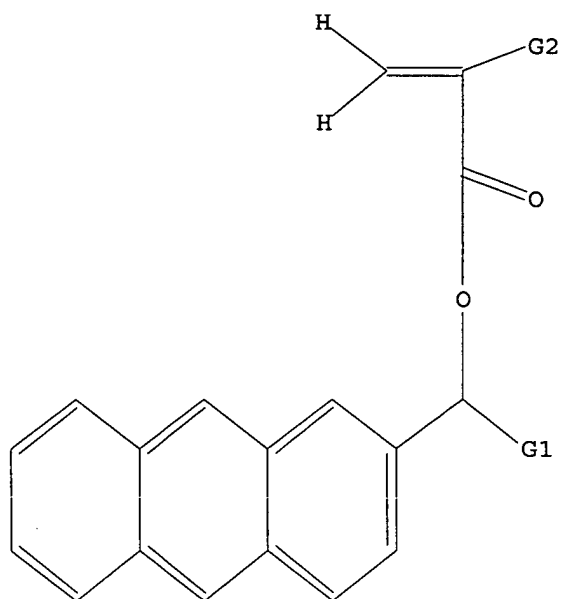
L6 QUE L5 AND L4

=> d

L6 HAS NO ANSWERS

L4 SCR 970 AND 2067

L5 STR



$\gamma=2$

1
Ak

G1 H, [01]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.

L6 QUE ABB=ON PLU=ON L5 AND L4

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L7 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\0988912.str

L8 STRUCTURE UPLOADED

=> que L8 AND L7

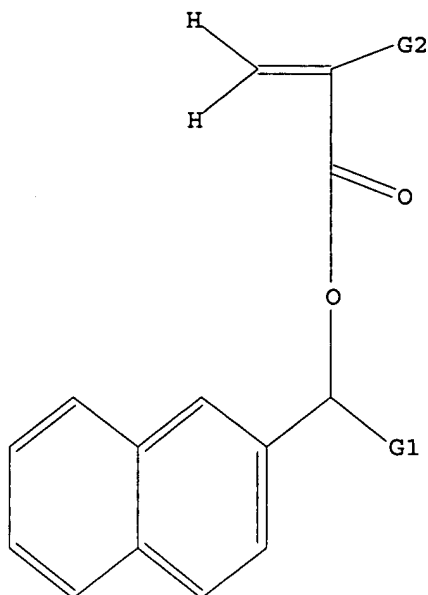
L9 QUE L8 AND L7

=> d

L9 HAS NO ANSWERS

L7 SCR 970 AND 2067

L8 STR



Y=1

1
Ak

G1 H, [01]

G2 H, Me

Structure attributes must be viewed using STN Express query preparation.
L9 QUE ABB=ON PLU=ON L8 AND L7

=> s (l3 or l6 or l9) sss sam

L3 MAY NOT BE USED HERE

The L-number entered was not created by a STRUCTURE or SCREEN command.

=> s l3 sss sam

SAMPLE SEARCH INITIATED 13:45:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L2 AND L1

=> s l6 sss sam

SAMPLE SEARCH INITIATED 13:45:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

100.0% PROCESSED 16 ITERATIONS
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 80 TO 560
PROJECTED ANSWERS: 2 TO 124

L11 2 SEA SSS SAM L5 AND L4

=> s l3 sss sam

SAMPLE SEARCH INITIATED 13:45:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L2 AND L1

=> s l9 sss sam

SAMPLE SEARCH INITIATED 13:45:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 286 TO 954
PROJECTED ANSWERS: 33 TO 447

L13 12 SEA SSS SAM L8 AND L7

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

L1 SCREEN 970 AND 2067
L2 STRUCTURE UPLOADED
L3 QUE L2 AND L1
L4 SCREEN 970 AND 2067
L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 SCREEN 970 AND 2067
L8 STRUCTURE UPLOADED
L9 QUE L8 AND L7
L10 0 S L3 SSS SAM
L11 2 S L6 SSS SAM
L12 0 S L3 SSS SAM
L13 12 S L9 SSS SAM

=> FIL CAPLUS HCAPLUS USPATFUL

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
1.20

TOTAL
SESSION
1.41

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 13:45:34 ON 19 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'HCAPLUS' ENTERED AT 13:45:34 ON 19 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE 'USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> file reg
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
3.94	5.35

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4
DICTIONARY FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> 108-31-6/crn
108-31-6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s 108-31-6/crn
L14 21906 108-31-6/CRN

Maleic anhydride

=> s polyhydroxystyrene
L15 4 POLYHYDROXYSTYRENE

=> d l15

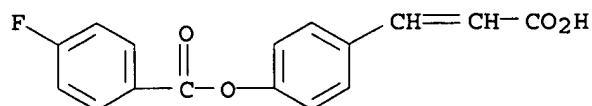
L15 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 320714-61-2 REGISTRY
CN Phenol, ethenyl-, homopolymer, 3-[4-[(4-fluorobenzoyl)oxy]phenyl]-2-propenoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Polyhydroxystyrene p-(p-fluorobenzoyloxy)cinnamate**
MF C16 H11 F O4 . x (C8 H8 O)x
PCT Polystyrene
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 259093-69-1
CMF C16 H11 F O4



CM 2

CRN 59269-51-1
CMF (C8 H8 O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1-OH

D1-CH=CH₂

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d 2

L15 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS

RN 320714-60-1 REGISTRY

CN Phenol, ethenyl-, homopolymer, 3-[4-(5-fluoro-1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]-2-propenoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Polyhydroxystyrene p-(p-fluorophthalimido)cinnamate**

MF C17 H10 F N O4 . x (C8 H8 O)x

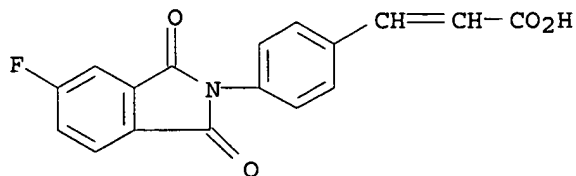
PCT Polystyrene

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 320714-59-8
CMF C17 H10 F N O4



CM 2

CRN 59269-51-1
CMF (C8 H8 O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1- OH

D1- CH=CH₂

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d3

D3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 3

L15 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS

RN 320714-57-6 REGISTRY

CN Phenol, ethenyl-, homopolymer, 3-[4-[(4-fluorobenzoyl)amino]phenyl]-2-propenoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Polyhydroxystyrene p-(p-fluorobenzoylamino)cinnamate

MF C16 H12 F N O3 . x (C8 H8 O)x

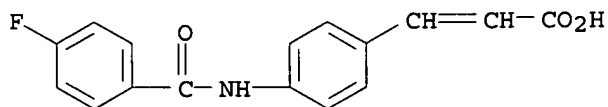
PCT Polystyrene

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 320714-56-5
CMF C16 H12 F N O3



CM 2

CRN 59269-51-1
CMF (C8 H8 O)x
CCI PMS

CM 3

CRN 31257-96-2
CMF C8 H8 O
CCI IDS



D1-OH

D1-CH=CH₂

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.06	15.41

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003
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STRUCTURE FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4
DICTIONARY FILE UPDATES: 18 MAR 2003 HIGHEST RN 499968-86-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> STR 31257-96-2

31257-96-2 MAY NOT BE USED AS A MODEL
Structures which were created via the STRUCTURE command or are in the
Fragment File may be used as models in the STRUCTURE command. Most,
but not all, substance Accession Numbers can also be used.
ENTER NAME OF STRUCTURE TO BE RECALLED (NONE):END

=>
THIS FEATURE IS NOT AVAILABLE FOR THE SELECTED CAS RN

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2067

L16 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\hydroxystyrene.str

L17 STRUCTURE UPLOADED

=> que L17 AND L16

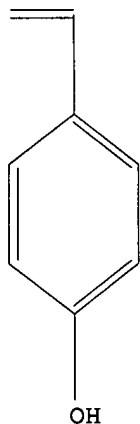
L18 QUE L17 AND L16

=> d

L18 HAS NO ANSWERS

L16 SCR 2067

L17 STR



hydroxystyrene

Structure attributes must be viewed using STN Express query preparation.

L18 QUE ABB=ON PLU=ON L17 AND L16

=> s l18

SAMPLE SEARCH INITIATED 13:48:16 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1124 TO ITERATE

89.0% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 20469 TO 24491
PROJECTED ANSWERS: 2732 TO 4326

L19 50 SEA SSS SAM L17 AND L16

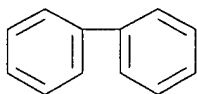
=> d

L19 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2003 ACS

RN 482278-44-4 REGISTRY
 CN 2-Propen-1-one, 1,3-bis(4-hydroxyphenyl)-, polymer with
 ar,ar'-diisocyanato-1,1'-biphenyl and 1,6-hexanediol (9CI) (CA INDEX
 NAME)
 MF (C15 H12 O3 . C14 H8 N2 O2 . C6 H14 O2)x
 CI PMS
 PCT Polyketone, Polystyrene, Polyurethane, Polyurethane formed, Polyvinyl
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

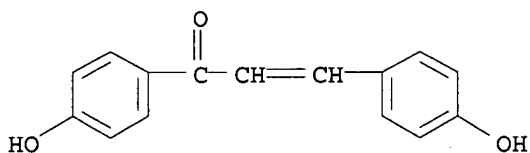
CRN 51801-31-1
 CMF C14 H8 N2 O2
 CCI IDS



2 (D1-NCO)

CM 2

CRN 3600-61-1
 CMF C15 H12 O3



CM 3

CRN 629-11-8
 CMF C6 H14 O2

HO-(CH₂)₆-OH

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

L1 SCREEN 970 AND 2067
 L2 STRUCTURE UPLOADED
 L3 QUE L2 AND L1
 L4 SCREEN 970 AND 2067

L5 STRUCTURE UPLOADED
L6 QUE L5 AND L4
L7 SCREEN 970 AND 2067
L8 STRUCTURE UPLOADED
L9 QUE L8 AND L7
L10 0 S L3 SSS SAM
L11 2 S L6 SSS SAM
L12 0 S L3 SSS SAM
L13 12 S L9 SSS SAM

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003

L14 21906 S 108-31-6/CRN
L15 4 S POLYHYDROXYSTYRENE

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003

L16 SCREEN 2067
L17 STRUCTURE UPLOADED
L18 QUE L17 AND L16
L19 50 S L18

=> FIL CAPLUS HCAPLUS USPATFUL

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.88

18.29

FILE 'CAPLUS' ENTERED AT 13:48:37 ON 19 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE 'HCAPLUS' ENTERED AT 13:48:37 ON 19 MAR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE 'USPATFULL' ENTERED AT 13:48:37 ON 19 MAR 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (l11 or l12 or l13)

L20 62 (L11 OR L12 OR L13)

=> s l19

L21 139 L19

=> s l14

2 FILES SEARCHED...

L22 67574 L14

=>

=> s (L21 OR L22) AND L20

L23 0 (L21 OR L22) AND L20

=> DUPLICATES

ENTER REMOVE, IDENTIFY, ONLY, OR (?):REMOVE

ENTER L# LIST OR (END):L20

DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS, USPATFULL'

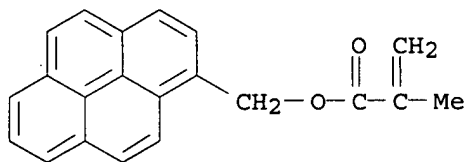
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):N

PROCESSING COMPLETED FOR L20

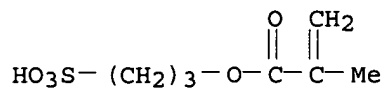
L24 33 DUPLICATE REMOVE L20 (29 DUPLICATES REMOVED)

=> D L24 IBIB HITSTR

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
 ACCESSION NUMBER: 2002:739811 CAPLUS
 DOCUMENT NUMBER: 138:56589
 TITLE: Photophysical and aqueous solution properties of
 thermosensitive anionic potassium-3-
 sulfopropylmethacrylate/N-isopropylacrylamide/1-
 pyrenemethylmethacrylate terpolymer
 AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan
 CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan
 University of Science and Technology, Taichung, 106,
 Taiwan
 SOURCE: Polymer (2002), 43(23), 6221-6229
 CODEN: POLMAG; ISSN: 0032-3861
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl
 methacrylate-1-pyrenylmethyl methacrylate copolymer
 RL: PRP (Properties)
 (photophys. and aq. soln. properties of thermosensitive anionic acrylic
 polymer)
 RN 479625-43-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with
 N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate
 potassium salt (9CI) (CA INDEX NAME)
 CM 1
 CRN 86112-79-0
 CMF C21 H16 O2

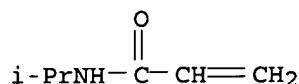


CM 2
 CRN 31098-21-2
 CMF C7 H12 O5 S . K



● K

CM 3
 CRN 2210-25-5
 CMF C6 H11 N O



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 13:43:29 ON 19 MAR 2003)

FILE 'REGISTRY' ENTERED AT 13:43:34 ON 19 MAR 2003

```
L1          SCREEN 970 AND 2067
L2          STRUCTURE UPLOADED
L3          QUE L2 AND L1
L4          SCREEN 970 AND 2067
L5          STRUCTURE UPLOADED
L6          QUE L5 AND L4
L7          SCREEN 970 AND 2067
L8          STRUCTURE UPLOADED
L9          QUE L8 AND L7
L10         0 S L3 SSS SAM
L11         2 S L6 SSS SAM
L12         0 S L3 SSS SAM
L13         12 S L9 SSS SAM
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FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:45:34 ON 19 MAR 2003

FILE 'REGISTRY' ENTERED AT 13:45:49 ON 19 MAR 2003

```
L14         21906 S 108-31-6/CRN
L15         4 S POLYHYDROXYSTYRENE
```

FILE 'REGISTRY' ENTERED AT 13:47:00 ON 19 MAR 2003

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L16         SCREEN 2067
L17         STRUCTURE UPLOADED
L18         QUE L17 AND L16
L19         50 S L18
```

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 13:48:37 ON 19 MAR 2003

```
L20         62 S (L11 OR L12 OR L13)
L21         139 S L19
L22         67574 S L14
L23         0 S (L21 OR L22) AND L20
L24         33 DUPLICATE REMOVE L20 (29 DUPLICATES REMOVED)
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=> D L24 1-33IBIB HITSTR

'1-33IBIB' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):DEFAULT

'DEFAULT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):EXUT

'EXUT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages

or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):EXIT

'EXIT' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):D L24 1-33 IBIB HITSTR

'D' IS NOT A VALID FORMAT

'L36' IS NOT A VALID FORMAT

'1-33' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):IBIB

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1

ACCESSION NUMBER: 2002:739811 CAPLUS

DOCUMENT NUMBER: 138:56589

TITLE: Photophysical and aqueous solution properties of thermosensitive anionic potassium-3-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer

AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan
CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan University of Science and Technology, Taichung, 106, Taiwan

SOURCE: Polymer (2002), 43(23), 6221-6229

CODEN: POLMAG; ISSN: 0032-3861

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D L24 1-33 IBIB HITSTR

L24 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1

ACCESSION NUMBER: 2002:739811 CAPLUS

DOCUMENT NUMBER: 138:56589

TITLE: Photophysical and aqueous solution properties of thermosensitive anionic potassium-3-sulfopropylmethacrylate/N-isopropylacrylamide/1-pyrenemethylmethacrylate terpolymer

AUTHOR(S): Liaw, Der-Jang; Huang, Ching-Cheng; Wang, Tze-Shyuan
CORPORATE SOURCE: Department of Chemical Engineering, National Taiwan University of Science and Technology, Taichung, 106, Taiwan

SOURCE: Polymer (2002), 43(23), 6221-6229

CODEN: POLMAG; ISSN: 0032-3861

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 479625-43-9, N-Isopropylacrylamide-potassium 3-sulfopropyl methacrylate-1-pyrenylmethyl methacrylate copolymer

RL: PRP (Properties)

(photophys. and aq. soln. properties of thermosensitive anionic acrylic polymer)

RN 479625-43-9 CAPLUS

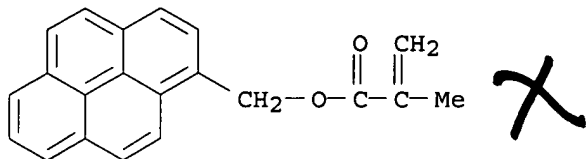
CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with N-(1-methylethyl)-2-propenamide and 3-sulfopropyl 2-methyl-2-propenoate

potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

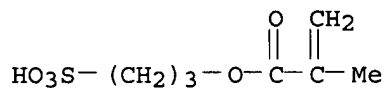
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CM 2

CRN 31098-21-2

CMF C7 H12 O5 S . K

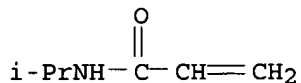


● K

CM 3

CRN 2210-25-5

CMF C6 H11 N O



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
ACCESSION NUMBER: 2002:926323 CAPLUS
DOCUMENT NUMBER: 138:170738
TITLE: Sensing the glass transition in thin and ultrathin polymer films via fluorescence probes and labels
AUTHOR(S): Ellison, Christopher J.; Torkelson, John M.
CORPORATE SOURCE: Department of Chemical Engineering, Northwestern University, Evanston, IL, 60208, USA
SOURCE: Journal of Polymer Science, Part B: Polymer Physics (2002), 40(24), 2745-2758
CODEN: JPBPEM; ISSN: 0887-6266
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 90216-53-8, 1-Pyrenylmethyl methacrylate-methyl methacrylate copolymer
RL: PRP (Properties)

(sensing glass transition in thin and ultrathin polymer films via fluorescence probes and labels)

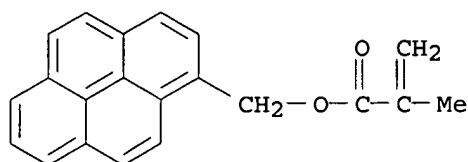
RN 90216-53-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

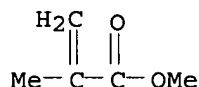
CMF C21 H16 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3

ACCESSION NUMBER: 2001:664669 CAPLUS

DOCUMENT NUMBER: 135:373027

TITLE: Interdiffusion vs Cross-Linking Rates in Isobutoxyacrylamide-Containing Latex Coatings

AUTHOR(S): Liu, Ronghua; Winnik, Mitchell A.; Di Stefano, Frank; Vanketessan, Jai

CORPORATE SOURCE: Department of Chemistry, University of Toronto, Toronto, ON, M5S 3H6, Can.

SOURCE: Macromolecules (2001), 34(21), 7306-7314
CODEN: MAMOBX; ISSN: 0024-9297

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 373626-99-4

RL: PRP (Properties); RCT (Reactant); TEM (Technical or engineered material use); RACT (Reactant or reagent); USES (Uses)
(interdiffusion vs. crosslinking rates in (isobutoxymethyl)acrylamide-contg. Bu acrylate-Me methacrylate-based latex coatings)

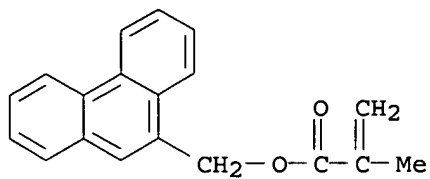
RN 373626-99-4 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, methyl 2-methyl-2-propenoate, N-[(2-methylpropoxy)methyl]-2-propenamide and 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

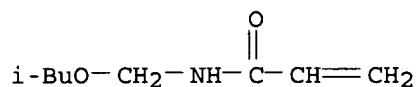
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CMF C19 H16 O2



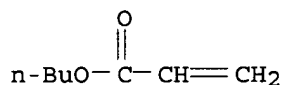
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CRN 16669-59-3
CMF C8 H15 N O2



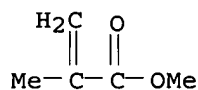
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CRN 141-32-2
CMF C7 H12 O2



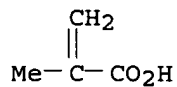
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CRN 80-62-6
CMF C5 H8 O2



CM 5

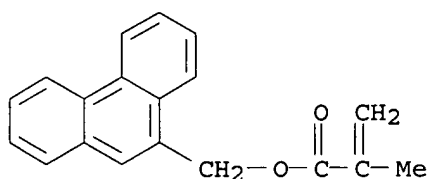
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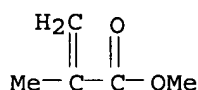
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 4
ACCESSION NUMBER: 1998:269811 CAPLUS
DOCUMENT NUMBER: 128:257896
TITLE: Triplet Energy Migration among Energetically

Disordered Chromophores in Polymer Matrixes. 2.
 Thermally Induced Supertrap Formation
 AUTHOR(S): Hisada, Kenji; Ito, Shinzaburo; Yamamoto, Masahide
 CORPORATE SOURCE: Department of Polymer Chemistry Graduate School of
 Engineering, Kyoto University, Kyoto, 606-8501, Japan
 SOURCE: Journal of Physical Chemistry B (1998), 102(21),
 4075-4080
 CODEN: JPCBFK; ISSN: 1089-5647
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate
 copolymer
 RL: PRP (Properties)
 (film; triplet energy migration in)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2



CM 2
 CRN 80-62-6
 CMF C5 H8 O2



L24 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 5
 ACCESSION NUMBER: 1997:518789 CAPLUS
 DOCUMENT NUMBER: 127:191376
 TITLE: Triplet Energy Migration among Energetically
 Disordered Chromophores in Polymer Matrixes. 1. Monte
 Carlo Simulation for the Hopping of Triplet Excitons
 AUTHOR(S): Hisada, Kenji; Ito, Shinzaburo; Yamamoto, Masahide
 CORPORATE SOURCE: Department of Polymer Chemistry Graduate School of
 Engineering, Kyoto University, Kyoto, 606-01, Japan
 SOURCE: Journal of Physical Chemistry B (1997), 101(35),
 6827-6833
 CODEN: JPCBFK; ISSN: 1089-5647
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate
 copolymer
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)

(Monte Carlo simulation for hopping of triplet excitons among energetically disordered chromophores in polymer matrixes)

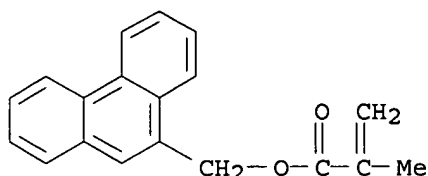
RN 81565-44-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8

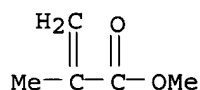
CMF C19 H16 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



L24 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2003 ACS

DUPLICATE 6

ACCESSION NUMBER: 1996:336516 CAPLUS

DOCUMENT NUMBER: 125:12204

TITLE: Internal Structure of Core-Shell Latex Particles Studied by Fluorescence Nonradiative Energy Transfer

AUTHOR(S): Perez, Elias; Lang, Jacques

CORPORATE SOURCE: Institut Charles Sadron (CRM-EAHP), CNRS-ULP Strasbourg, Strasbourg, 67083, Fr.

SOURCE: Langmuir (1996), 12(13), 3180-3187

CODEN: LANGD5; ISSN: 0743-7463

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 81565-44-8P, Methyl methacrylate-(9-phenanthryl)methyl methacrylate copolymer

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (homogeneous; internal structure of labeled Me methacrylate-Bu methacrylate copolymer core-shell particles studied by fluorescence nonradiative energy transfer)

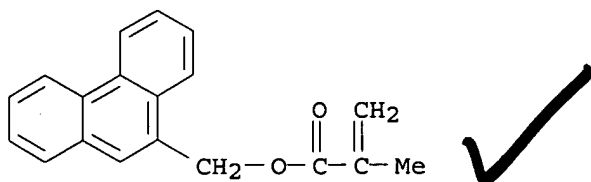
RN 81565-44-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

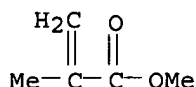
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CMF C19 H16 O2



CM 2

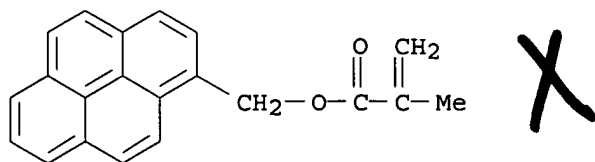
CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 7
 ACCESSION NUMBER: 1995:212960 CAPLUS
 DOCUMENT NUMBER: 122:162098
 TITLE: Thermoreversible Gelation of Solutions of Syndiotactic Poly(methyl methacrylate) in Toluene: a Two-Step Mechanism
 AUTHOR(S): Berghmans, M.; Thijs, S.; Cornette, M.; Berghmans, H.; De Schryver, F. C.; Moldenaers, P.; Mewis, J.
 CORPORATE SOURCE: Department of Chemistry, Katholieke Universiteit Leuven, Louvain, B-3001, Belg.
 SOURCE: Macromolecules (1994), 27(26), 7669-76
 CODEN: MAMOBX; ISSN: 0024-9297
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8P
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
 (two-step mechanism of thermoreversible gelation of atactic poly(Me methacrylate) soln.)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

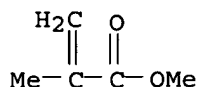
CM 1

CRN 86112-79-0
CMF C21 H16 O2



CM 2

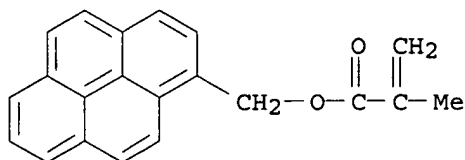
CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 8
 ACCESSION NUMBER: 1994:606514 CAPLUS
 DOCUMENT NUMBER: 121:206514
 TITLE: Aggregation of pyrene in poly(alkyl methacrylate) films revealed by time-resolved total internal reflection fluorescence spectroscopy
 AUTHOR(S): Itaya, Akira; Matsumoto, Yasuo; Iou, Ippei; Masuhara, Hiroshi; De Schryver, Frans C.
 CORPORATE SOURCE: Department of Polymer Science and Engineering, Kyoto Institute of Technology, Matsugasaki, 606, Japan
 SOURCE: Polymer (1994), 35(18), 3920-6
 CODEN: POLMAG; ISSN: 0032-3861
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (time-resolved total internal reflection fluorescence spectroscopic study of pyrene aggregation in films of)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

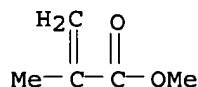
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CRN 86112-79-0
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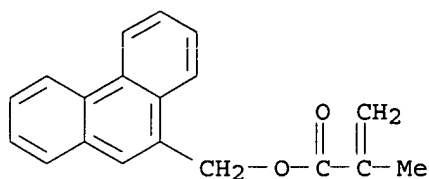
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 CMF C5 H8 O2

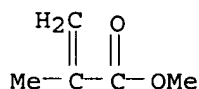


L24 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 9
 ACCESSION NUMBER: 1994:410089 CAPLUS
 DOCUMENT NUMBER: 121:10089
 TITLE: Dye distribution in fluorescent-labeled latex prepared by emulsion polymerization
 AUTHOR(S): Sosnowski, Stanislaw; Feng, Jianrong; Winnik, Mitchell A.

CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.
 SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry
 (1994), 32(8), 1497-505
 CODEN: JPACEC; ISSN: 0887-624X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8P, Methyl methacrylate-9-phenanthrylmethyl methacrylate
 copolymer
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, in emulsion, monomer distribution in relation to)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2



CM 2
 CRN 80-62-6
 CMF C5 H8 O2



L24 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 10
 ACCESSION NUMBER: 1993:562441 CAPLUS
 DOCUMENT NUMBER: 119:162441
 TITLE: Photochemical dimerization in hydrophilicity
 improvement of (in)organic articles
 INVENTOR(S): Irie, Masahiro; Kishimoto, Soichiro
 PATENT ASSIGNEE(S): Unitika Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05024951	A2	19930202	JP 1991-208592	19910724
PRIORITY APPLN. INFO.: IT 150048-73-0			JP 1991-208592	19910724

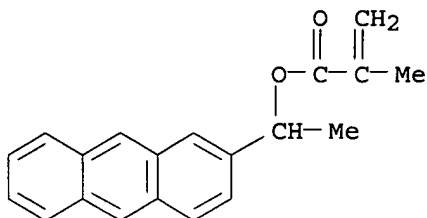
RL: USES (Uses)
 (plates, hydrophilic treatment for with UV irradiation, in presence of
 hydrophilic group-contg. anthracenes)
 RN 150048-73-0 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-(2-anthracenyl)ethyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 54720-11-5

CMF C20 H18 O2

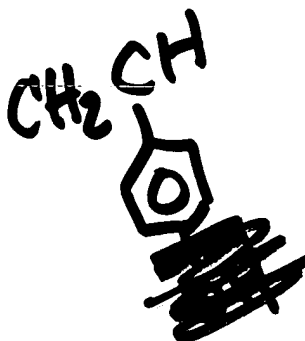


CM 2

CRN 100-42-5

CMF C8 H8

H₂C=CH-Ph



L24 ANSWER 11 OF 33 USPATFULL
ACCESSION NUMBER: 93:33359 USPATFULL
TITLE: Electrophotographic light-sensitive material
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5206104		19930427
APPLICATION INFO.:	US 1991-655608		19910215 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1990-33955	19900216
	JP 1990-118532	19900510
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McCamish, Marion E.	
ASSISTANT EXAMINER:	Ashton, Rosemary	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2919	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 137991-46-9DP, carboxyterminated
(prepn. of, as binder resin for electrophotog. photoreceptor)

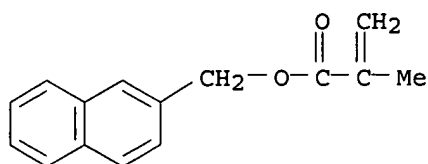
RN 137991-46-9 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

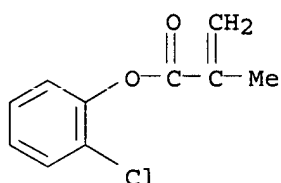
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L24 ANSWER 12 OF 33 USPATFULL

ACCESSION NUMBER: 93:3463 USPATFULL

TITLE: Electrophotographic light-sensitive material

INVENTOR(S): Kato, Eiichi, Shizuoka, Japan
Ishii, Kazuo, Shizuoka, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5178982		19930112
APPLICATION INFO.:	US 1990-570653		19900821 (7)
DISCLAIMER DATE:	20080604		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-212993	19890821
	JP 1989-212995	19890821
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	McCamish, Marion E.	
ASSISTANT EXAMINER:	Chapman, Mark A.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2567	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 137991-46-9DP, alkane sulfonic acid-terminated
(prepn. and use of, as binder resin for electrophotog. photoreceptor)

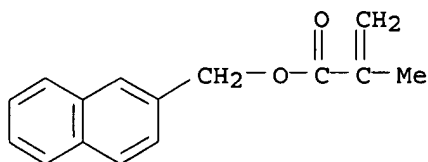
RN 137991-46-9 USPATFULL

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

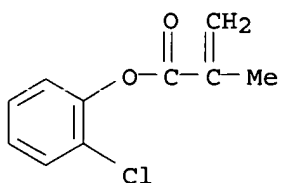
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L24 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 11

ACCESSION NUMBER: 1993:125407 CAPLUS

DOCUMENT NUMBER: 118:125407

TITLE: Kinetic analysis of triplet energy migration in poly[(2-naphthylalkyl methacrylate)-co-(methyl methacrylates)] and poly[(9-phenanthrylmethyl methacrylate)-co-(methyl methacrylate)] solid films
AUTHOR(S): Katayama, Hideaki; Tawa, Tsutomu; Haggquist, Gregory W.; Ito, Shinzaburo; Yamamoto, Masahide
CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
SOURCE: Macromolecules (1993), 26(6), 1265-9
CODEN: MAMOBX; ISSN: 0024-9297

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer

RL: PRP (Properties)

(triplet energy migration in solid films of, kinetic anal. of)

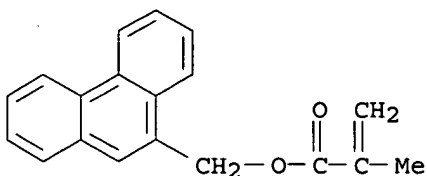
RN 81565-44-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

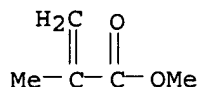
CRN 53223-82-8

CMF C19 H16 O2



CM 2

CRN 80-62-6
CMF C5 H8 O2



L24 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 12
ACCESSION NUMBER: 1992:661589 CAPLUS
DOCUMENT NUMBER: 117:261589
TITLE: Electrophotographic lithographic master plates
INVENTOR(S): Kato, Eiichi; Osawa, Sadao
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04014052	A2	19920120	JP 1990-117897	19900508
PRIORITY APPLN. INFO.:			JP 1990-117897	19900508

IT 144278-73-9

RL: USES (Uses)

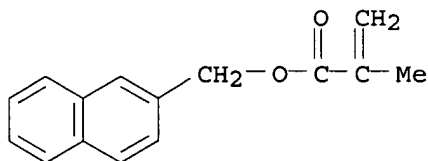
(binder resin contg., for electrophotog. lithog. masters)

RN 144278-73-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate and 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

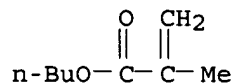
CM 1

CRN 68579-95-3
CMF C15 H14 O2



CM 2

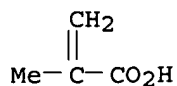
CRN 97-88-1
CMF C8 H14 O2



CM 3

CRN 79-41-4
CMF C4 H6 O2

✓



L24 ANSWER 15 OF 33 USPATFULL
ACCESSION NUMBER: 92:42636 USPATFULL
TITLE: Electrophotographic light-sensitive material
INVENTOR(S): Kato, Eiichi, Shizuoka, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

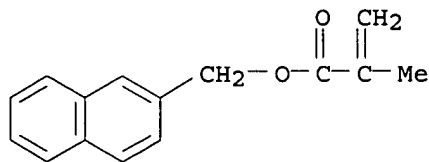
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5116710		19920526
APPLICATION INFO.:	US 1990-582320		19900914 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-237319	19890914
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Martin, Roland	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn Macpeak & Seas	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2077	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 137991-46-9D, sulfonic acid terminated
(binder resin, for electrophotog. photoreceptor)
RN 137991-46-9 USPATFULL
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

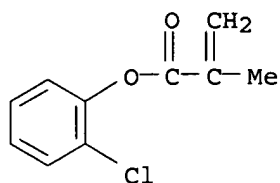
CRN 68579-95-3
CMF C15 H14 O2



✓

CM 2

CRN 18967-23-2
CMF C10 H9 Cl O2



L24 ANSWER 16 OF 33 USPATFULL
 ACCESSION NUMBER: 92:36086 USPATFULL
 TITLE: Binder for electrophotographic light-sensitive material containing recurring ester units
 INVENTOR(S): Kato, Eiichi, Haibara, Japan
 Ishii, Kazuo, Haibara, Japan
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5110701		19920505
APPLICATION INFO.:	US 1990-521956		19900511 (7)

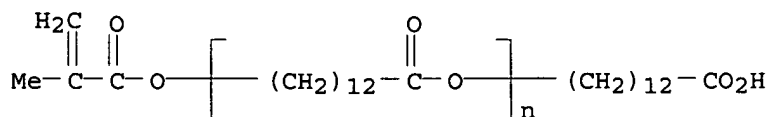
	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-117536	19890512
	JP 1989-124550	19890519
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Goodrow, John	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2511	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 136974-45-3

(electrophotog. photoreceptor binder resin contg.)
 RN 136974-45-3 USPATFULL
 CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with .alpha.-(12-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

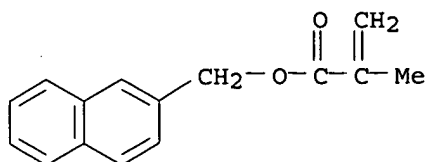
CM 1

CRN 136974-44-2
 CMF (C13 H24 O2)n C17 H30 O4
 CCI PMS

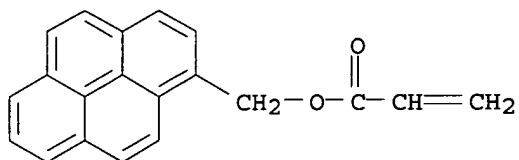


CM 2

CRN 68579-95-3
 CMF C15 H14 O2

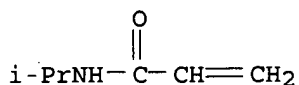


L24 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 13
 ACCESSION NUMBER: 1992:512475 CAPLUS
 DOCUMENT NUMBER: 117:112475
 TITLE: Use of nonradiative energy transfer to explore
 interpolymer and polymer-solute interactions in
 aqueous solutions of poly(N-isopropylacrylamide)
 AUTHOR(S): Schild, Howard G.; Tirrell, David A.
 CORPORATE SOURCE: Polym. Sci. Eng. Dep., Univ. Massachusetts, Amherst,
 MA, 01003, USA
 SOURCE: Macromolecules (1992), 25(18), 4553-8
 CODEN: MAMOBX; ISSN: 0024-9297
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 142723-27-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and interpolymer and polymer-solute interactions of aq.,
 nonradiative energy transfer in relation to)
 RN 142723-27-1 CAPLUS
 CN 2-Propenoic acid, 1-pyrenylmethyl ester, polymer with N-(1-methylethyl)-2-
 propenamide (9CI) (CA INDEX NAME)
 CM 1
 CRN 98845-55-7
 CMF C20 H14 O2



CM 2
 CRN 2210-25-5
 CMF C6 H11 N O

Pyrenyl methyl



L24 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 14
 ACCESSION NUMBER: 1992:500929 CAPLUS
 DOCUMENT NUMBER: 117:100929
 TITLE: Electrophotographic photoreceptor with improved
 electrostatic and moisture resistant properties
 INVENTOR(S): Kato, Eiichi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

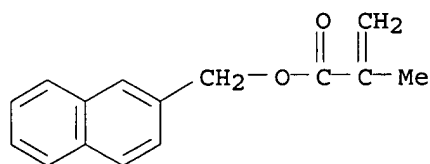
SOURCE: Jpn. Kokai Tokkyo Koho, 39 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03238463	A2	19911024	JP 1990-33955	19900216
US 5206104	A	19930427	US 1991-655608	19910215
PRIORITY APPLN. INFO.:			JP 1990-33955	19900216
			JP 1990-118532	19900510

IT 137991-46-9DP, carboxyterminated
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES
 (Uses)
 (prepn. of, as binder resin for electrophotog. photoreceptor)
 RN 137991-46-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

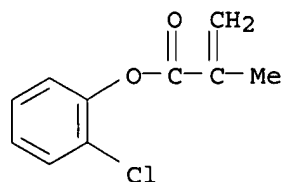
CM 1

CRN 68579-95-3
 CMF C15 H14 O2



CM 2

CRN 18967-23-2
 CMF C10 H9 Cl O2



L24 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15
 ACCESSION NUMBER: 1992:224646 CAPLUS
 DOCUMENT NUMBER: 116:224646
 TITLE: Electrophotographic photoreceptor using vinyl-type
 binder resin
 INVENTOR(S): Kato, Eiichi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03100657	A2	19910425	JP 1989-237319	19890914
US 5116710	A	19920526	US 1990-582320	19900914
PRIORITY APPLN. INFO.:			JP 1989-237319	19890914

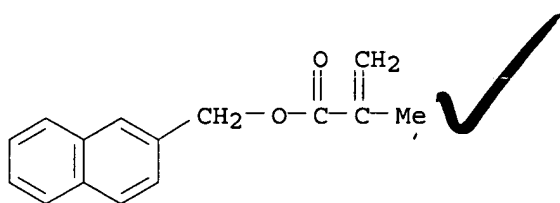
IT 137991-46-9D, sulfonic acid terminated
 RL: USES (Uses)
 (binder resin, for electrophotog. photoreceptor)

RN 137991-46-9 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

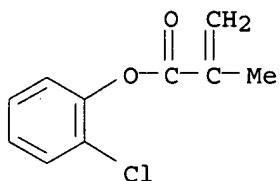
CM 1

CRN 68579-95-3
 CMF C15 H14 O2



CM 2

CRN 18967-23-2
 CMF C10 H9 Cl O2



L24 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 16

ACCESSION NUMBER: 1992:417230 CAPLUS

DOCUMENT NUMBER: 117:17230

TITLE: Electrophotographic photoreceptors

INVENTOR(S): Kato, Eiichi; Ishii, Kazuo

PATENT ASSIGNEE(S): Fujii Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

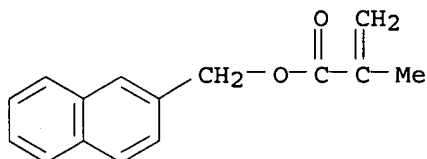
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

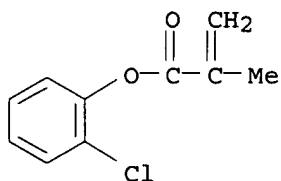
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077955	A2	19910403	JP 1989-212995	19890821
US 5178982	A	19930112	US 1990-570653	19900821
PRIORITY APPLN. INFO.:			JP 1989-212993	19890821
			JP 1989-212995	19890821

IT 137991-46-9P
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES
 (Uses)
 (prepn. of, as binder resin, for electrophotog. photoconductor)
 RN 137991-46-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
 2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)
 CM 1
 CRN 68579-95-3
 CMF C15 H14 O2



CM 2
 CRN 18967-23-2
 CMF C10 H9 Cl O2



L24 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 17
 ACCESSION NUMBER: 1992:162468 CAPLUS
 DOCUMENT NUMBER: 116:162468
 TITLE: Electrophotographic photoreceptor for offset printing
 plates
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 44 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03077953	A2	19910403	JP 1989-212993	19890821
US 5178982	A	19930112	US 1990-570653	19900821
PRIORITY APPLN. INFO.:			JP 1989-212993	19890821
			JP 1989-212995	19890821

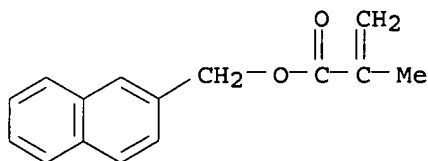
IT 137991-46-9DP, alkane sulfonic acid-terminated
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and use of, as binder resin for electrophotog. photoreceptor)
 RN 137991-46-9 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with

2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

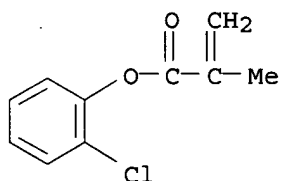
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L24 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 18
ACCESSION NUMBER: 1992:31314 CAPLUS
DOCUMENT NUMBER: 116:31314
TITLE: Electrophotographic photoreceptor with superior
electrostatic properties and good moisture resistance
and durability
INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

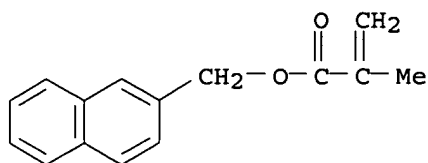
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03042666	A2	19910222	JP 1989-177340	19890710

PRIORITY APPLN. INFO.: JP 1989-177340 19890710
IT 137991-46-9P
RL: PREP (Preparation)
(prepn. of, binder resin for electrophotog. photoreceptor using)
RN 137991-46-9 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-chlorophenyl ester, polymer with
2-naphthalenylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 68579-95-3

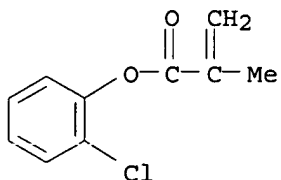
CMF C15 H14 O2



CM 2

CRN 18967-23-2

CMF C10 H9 Cl O2



L24 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 19
 ACCESSION NUMBER: 1991:666756 CAPLUS
 DOCUMENT NUMBER: 115:266756
 TITLE: Electrophotographic photoreceptor with improved moisture resistance and durability
 INVENTOR(S): Kato, Eiichi; Ishii, Kazuo
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02297558	A2	19901210	JP 1989-117536	19890512
US 5110701	A	19920505	US 1990-521956	19900511
PRIORITY APPLN. INFO.:			JP 1989-117536	19890512
			JP 1989-124550	19890519

OTHER SOURCE(S): MARPAT 115:266756

IT 136974-45-3

RL: USES (Uses)

(electrophotog. photoreceptor binder resin contg.)

RN 136974-45-3 CAPLUS

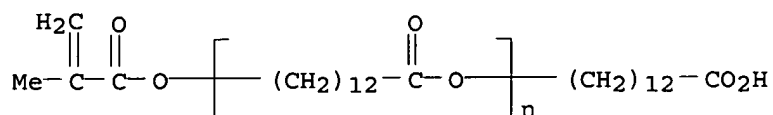
CN 2-Propenoic acid, 2-methyl-, 2-naphthalenylmethyl ester, polymer with .alpha.-(12-carboxydodecyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1-oxo-1,13-tridecanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 136974-44-2

CMF (C13 H24 O2)n C17 H30 O4

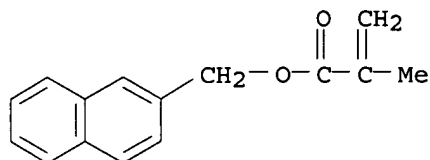
CCI PMS



CM 2

CRN 68579-95-3

CMF C15 H14 O2

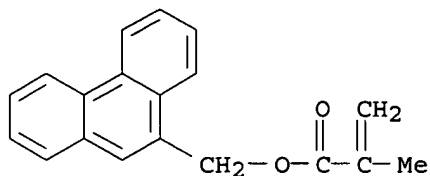


L24 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 20
 ACCESSION NUMBER: 1989:213830 CAPLUS
 DOCUMENT NUMBER: 110:213830
 TITLE: Trap-site formation and trap-controlled triplet energy migration in phenanthrene copolymer films
 AUTHOR(S): Ito, Shinzaburo; Numata, Norio; Katayama, Hideaki; Yamamoto, Masahide
 CORPORATE SOURCE: Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
 SOURCE: Macromolecules (1989), 22(5), 2207-13
 CODEN: MAMOBX; ISSN: 0024-9297
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8, Methyl methacrylate-9-phenanthrylmethyl methacrylate copolymer
 RL: PRP (Properties)
 (trap-site formation and trap-controlled triplet energy migration in)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8

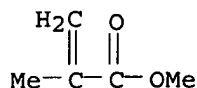
CMF C19 H16 O2



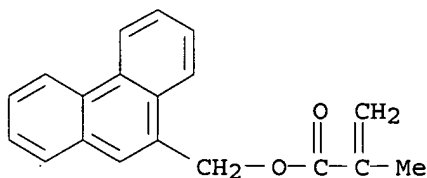
CM 2

CRN 80-62-6

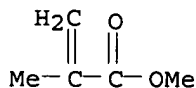
CMF C5 H8 O2



L24 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 21
 ACCESSION NUMBER: 1990:207643 CAPLUS
 DOCUMENT NUMBER: 112:207643
 TITLE: Solvent concentration profile of poly(methyl methacrylate) dissolving in methyl ethyl ketone. A fluorescence-quenching study
 AUTHOR(S): Limm, William; Winnik, Mitchell A.; Smith, Barton A.; Stanton, Deirdre T.
 CORPORATE SOURCE: Edgewood Arsenal, U. S. Army CRDEC, Aberdeen Proving Ground, MD, 21010-5423, USA
 SOURCE: ACS Symposium Series (1989), 412(Polym. Microlithogr.), 385-99
 CODEN: ACSMC8; ISSN: 0097-6156
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8
 RL: USES (Uses)
 (fluorescence-quenching study of dissoln. of photoresist of, in Me Et ketone)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2

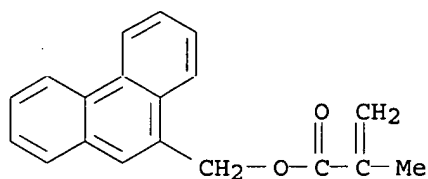


CM 2
 CRN 80-62-6
 CMF C5 H8 O2

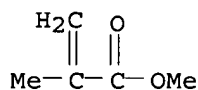


L24 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 22
 ACCESSION NUMBER: 1988:455808 CAPLUS
 DOCUMENT NUMBER: 109:55808
 TITLE: Solvent penetration and photoresist dissolution: a fluorescence quenching and interferometry study
 AUTHOR(S): Limm, William; Stanton, Deirdre; Dimnik, Gerald P.; Winnik, Mitchell A.; Smith, Barton A.
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.

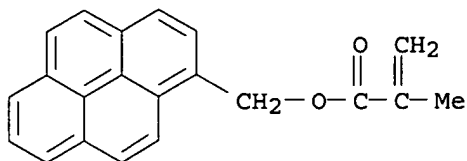
SOURCE: Journal of Applied Polymer Science (1988), 35(8), 2099-116
 CODEN: JAPNAB; ISSN: 0021-8995
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8
 RL: USES (Uses)
 (solvent penetration and photoresist dissoln. of, fluorescence quenching and interferometric studies on)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 53223-82-8
 CMF C19 H16 O2



CM 2
 CRN 80-62-6
 CMF C5 H8 O2



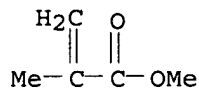
L24 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 23
 ACCESSION NUMBER: 1986:89289 CAPLUS
 DOCUMENT NUMBER: 104:89289
 TITLE: Picosecond excimer fluorescence spectroscopy: applications to local motions of polymers and polymerization monitoring
 AUTHOR(S): Wang, F. W.; Lowry, R. E.; Cavanagh, R. R.
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD, 20899, USA
 SOURCE: Polymer (1985), 26(11), 1657-61
 CODEN: POLMAG; ISSN: 0032-3861
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (local motions in, picosecond excimer fluorometry in relation to)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 86112-79-0
 CMF C21 H16 O2



CM 2

CRN 80-62-6

CMF C5 H8 O2

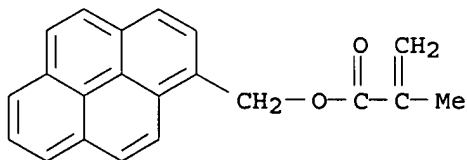


L24 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 24
 ACCESSION NUMBER: 1985:561152 CAPLUS
 DOCUMENT NUMBER: 103:161152
 TITLE: Excimer fluorescence technique for study of
 polymer-segment mobility: applications to
 pyrene-labelled poly(methyl methacrylate) and
 poly(methyl acrylate) in solution
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.
 CORPORATE SOURCE: Polym. Div., Natl. Bur. Stand., Gaithersburg, MD,
 20899, USA
 SOURCE: Polymer (1985), 26(7), 1046-52
 CODEN: POLMAG; ISSN: 0032-3861
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (polymer-segment mobility of, in soln., excimer fluorescence technique
 study of)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

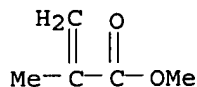
CMF C21 H16 O2



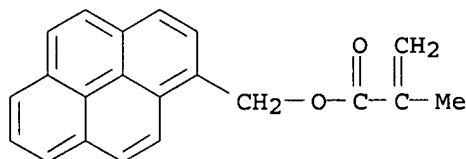
CM 2

CRN 80-62-6

CMF C5 H8 O2



L24 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 25
 ACCESSION NUMBER: 1984:473166 CAPLUS
 DOCUMENT NUMBER: 101:73166
 TITLE: Novel excimer fluorescence method for monitoring polymerization. 1. Polymerization of methyl methacrylate
 AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.
 CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand., Washington, DC, 20234, USA
 SOURCE: Polymer (1984), 25(5), 690-2
 CODEN: POLMAG; ISSN: 0032-3861
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 90216-53-8
 RL: PRP (Properties)
 (excimer fluorescence of, with PMMA, as polymn. monitoring system)
 RN 90216-53-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 86112-79-0
 CMF C21 H16 O2

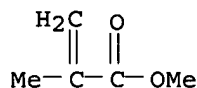


X

pyrenyl

CM 2
 CRN 80-62-6
 CMF C5 H8 O2

Polymer.



L24 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 26
 ACCESSION NUMBER: 1984:471995 CAPLUS
 DOCUMENT NUMBER: 101:71995
 TITLE: Polymer bonded electron transfer sensitizers
 AUTHOR(S): Tazuke, S.; Takasaki, R.; Iwaya, Y.; Suzuki, Y.
 CORPORATE SOURCE: Res. Lab. Resour. Util., Tokyo Inst. Technol., Yokohama, 227, Japan
 SOURCE: Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1984), 25(1), 300-1

CODEN: ACPPAY; ISSN: 0032-3934

DOCUMENT TYPE:

Journal

LANGUAGE:

English

IT 91227-45-1

RL: PRP (Properties)

(as electron-transfer sensitizers)

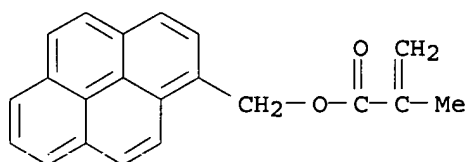
RN 91227-45-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1-pyrenylmethyl ester, polymer with sodium ethenylbenzenesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 86112-79-0

CMF C21 H16 O2



X

CM 2

CRN 27457-28-9

CMF C8 H8 O3 S . Na

CCI IDS



D1-CH=CH₂

D1-SO₃H

● Na

L24 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2003 ACS

DUPLICATE 27

ACCESSION NUMBER: 1983:506070 CAPLUS

DOCUMENT NUMBER: 99:106070

TITLE: Fluorescence study of polymer chain interpenetration and of the rate of phase separation in incompatible polymer blends

AUTHOR(S): Morawetz, H.

CORPORATE SOURCE: Polym. Res. Inst., Polytech. Inst. New York, Brooklyn, NY, 11201, USA

SOURCE: Polymer Engineering and Science (1983), 23(12), 689-92

CODEN: PYESAZ; ISSN: 0032-3888

DOCUMENT TYPE:

Journal

LANGUAGE:

English

IT 86637-30-1

RL: PRP (Properties)

(interdiffusion of, in anthracene-labeled poly(Me methacrylate), detn.
of, by fluorescence spectroscopy)

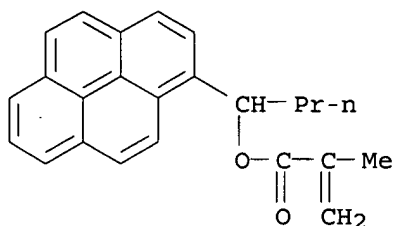
RN 86637-30-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with 1-(1-pyrenyl)butyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 86637-29-8

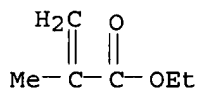
CMF C24 H22 O2



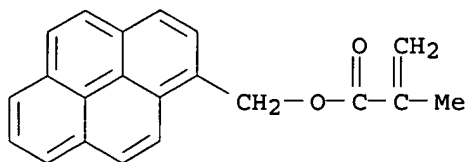
CM 2

CRN 97-63-2

CMF C6 H10 O2



L24 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 28
ACCESSION NUMBER: 1984:210538 CAPLUS
DOCUMENT NUMBER: 100:210538
TITLE: In-situ monitoring of polymerization reactions by
excimer fluorescence technique
AUTHOR(S): Wang, Francis W.; Lowry, Robert E.; Grant, Warren H.
CORPORATE SOURCE: Polym. Sci. Stand. Div., Natl. Bur. Stand.,
Washington, DC, 20234, USA
SOURCE: Polymeric Materials Science and Engineering (1983),
49, 138-42
CODEN: PMSEDG; ISSN: 0743-0515
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 90216-53-8
RL: USES (Uses)
(fluorescence of excimers of, in in situ monitoring of Me methacrylate
polymn.)
RN 90216-53-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-pyrenylmethyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)
CM 1
CRN 86112-79-0
CMF C21 H16 O2

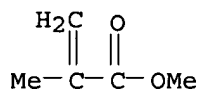


X

CM 2

CRN 80-62-6

CMF C5 H8 O2

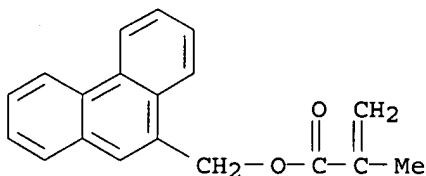


L24 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 29
 ACCESSION NUMBER: 1982:407066 CAPLUS
 DOCUMENT NUMBER: 97:7066
 TITLE: Studies of the antenna effect in polymer molecules.
 3. Singlet electronic energy transfer in
 poly[(9-phenanthryl)methyl methacrylate] and its
 copolymers
 AUTHOR(S): Ng, Dominic; Guillet, James E.
 CORPORATE SOURCE: Dep. Chem., Univ. Toronto, Toronto, ON, M5S 1A1, Can.
 SOURCE: Macromolecules (1982), 15(3), 724-7
 CODEN: MAMOBX; ISSN: 0024-9297
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 81565-44-8
 RL: PRP (Properties)
 (fluorescence of)
 RN 81565-44-8 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 9-phenanthrenylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 53223-82-8

CMF C19 H16 O2

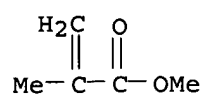


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CM 2

CRN 80-62-6

CMF C5 H8 O2



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